

COPPER LIGHTNING AIR TERMINAL
1/2" X 4' VALMONT B2092

CAP

STAINLESS STEEL ROUND
MEMBER ADAPTER

316SS U-BOLT CLAMPS

FLEXIBLE 1/2" COAXIAL
FEEDLINE

ROUTE TO EXISTING BUILDING
LIGHTNING PROTECTION
CONDUCTOR, IF AVAILABLE

2" DIAMETER SCHEDULE 80 ALUMINUM
CONDUIT WITH ENTRANCE CAP

SECURE COAXIAL CABLE WITH
STAINLESS STEEL CLAMPS TO
OUTSIDE OF MAST PIPE

SOLID OR HOLLOW WALL

PROVIDE ANTENNA HEIGHT
AND ORIENTATION PER
RESPECTIVE SITE PLAN NOTES

STAINLESS STEEL WALLMOUNT
CLAMPS CELWAVE PD 10064
OR APPROVED EQUAL.
PROVIDE ANCHORING OF LAG
BOLTS. COMPATIBLE WITH
THE WALL MATERIAL.

WEATHERPROOF BOLT

COAX FEEDLINE
TO RTU PANEL

SHIELD GROUND KIT

SEPERATE 6 GA COPPER
CONDUCTORS FOR EACH
GROUNDING REQUIREMENT

PVC TUBE ENTRY
KIT VALMONT B242
(ONE PER FEEDLINE)

SOIL SURFACE

5/8" X 10' COPPER
GROUND ROD

EXOTHERMIC WELD GROUND WIRE TO
ROD

NOTE:

1. HEIGHT OF ANTENNA SHALL BE DETERMINED BY A PATH STUDY CONDUCTED BY A QUALIFIED LICENSED COMMUNICATIONS COMPANY.
2. SITE MAY REQUIRE SECOND ANTENNA INSTALLATION. SEE CONTRACT FOR SITE REQUIREMENTS.

REV. 2004

CITY OF COLUMBUS, OHIO
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF WATER

APPROVED

RC Westerfield 1-21-05
ADMINISTRATOR DATE

STANDARD DETAIL BOOSTER STATION ANTENNA INSTALLATION

